FIG. 1

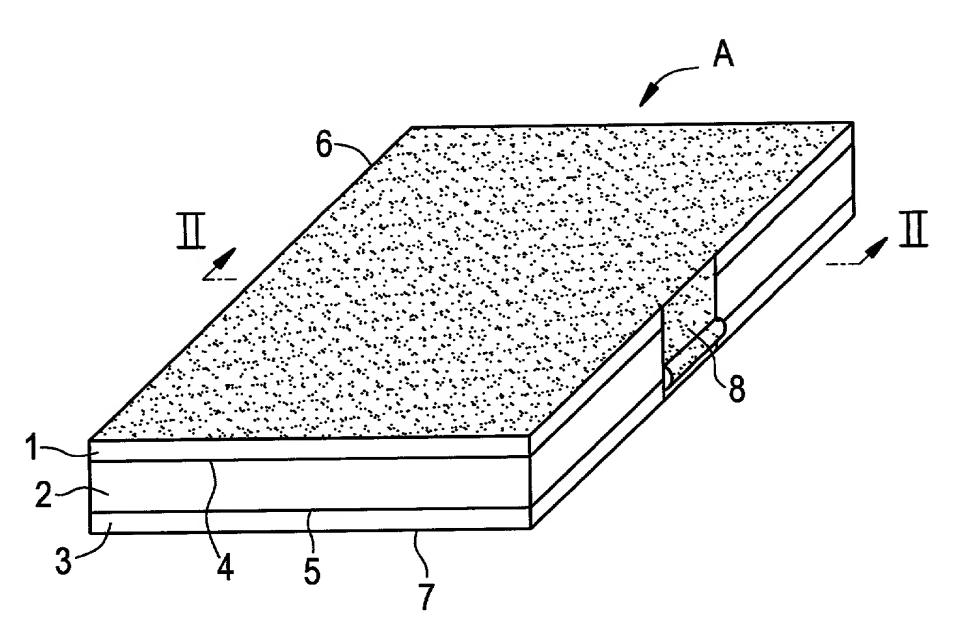


FIG. 2

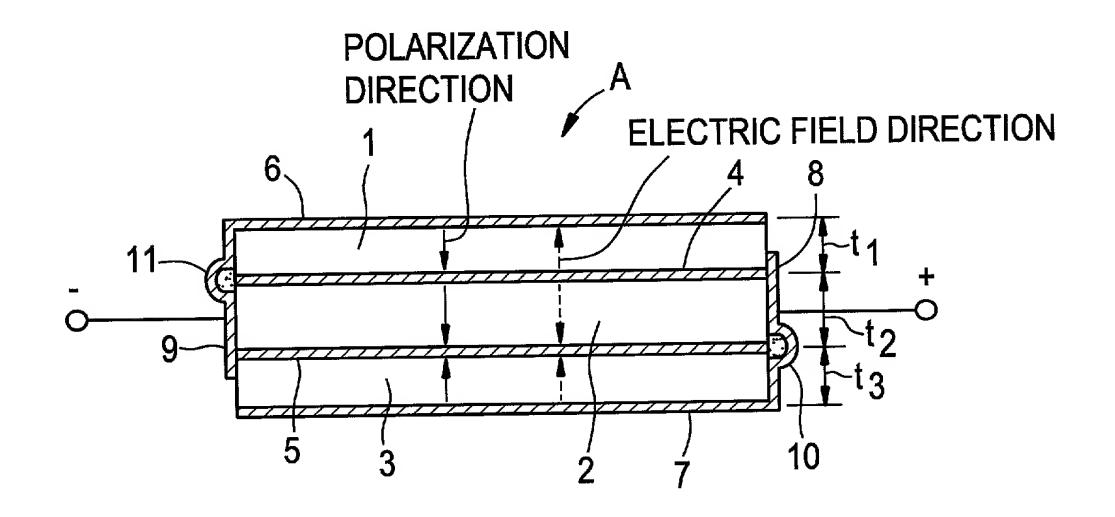


FIG. 3A

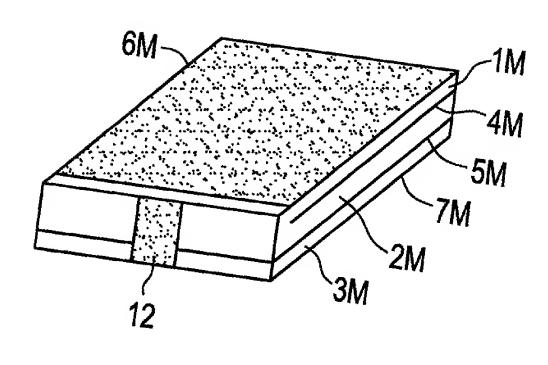


FIG. 3B

POLARIZATION
DIRECTION

1M 6M

4M

12

5M 3M 2M

7M

FIG. 3C

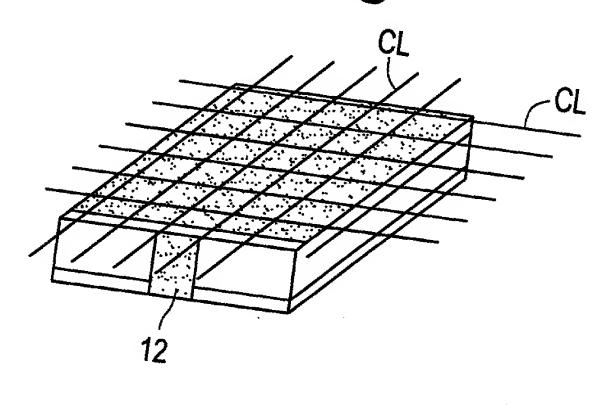
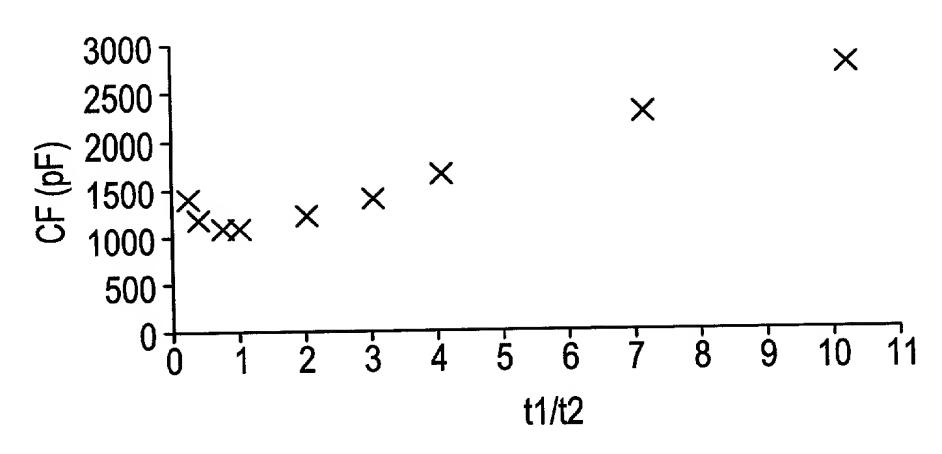


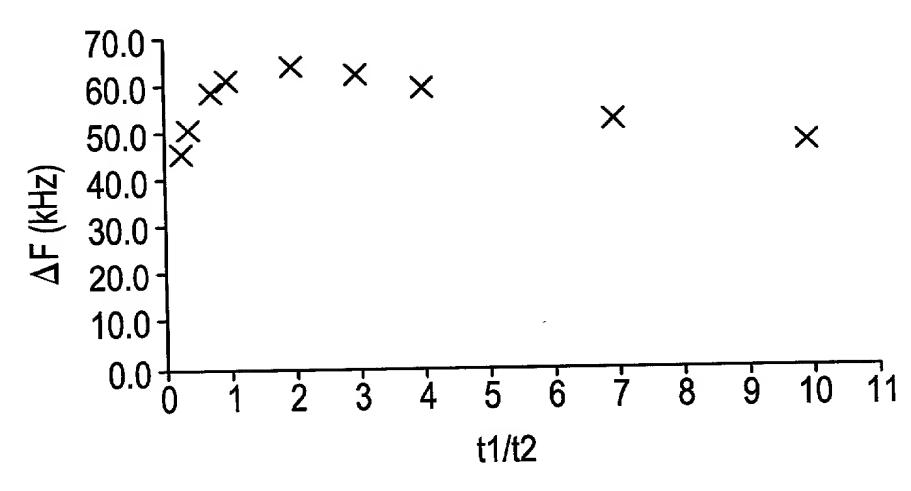
FIG. 4

34/97465)



× POLARIZATION OF CENTRAL PIEZOELECTRIC LAYER

FIG. 5



× POLARIZATION OF CENTRAL PIEZOELECTRIC LAYER

FIG. 6

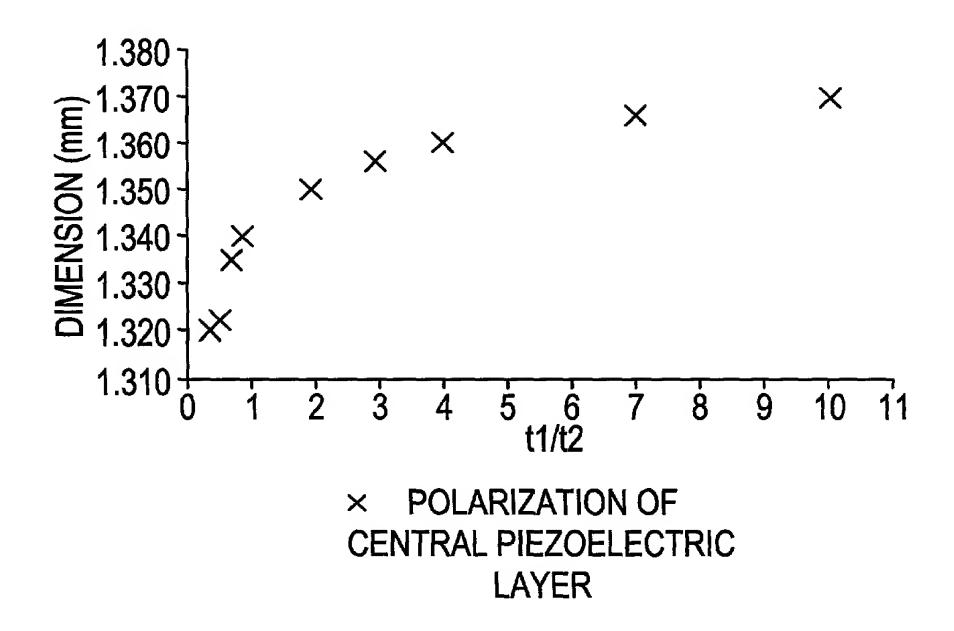


FIG. 7

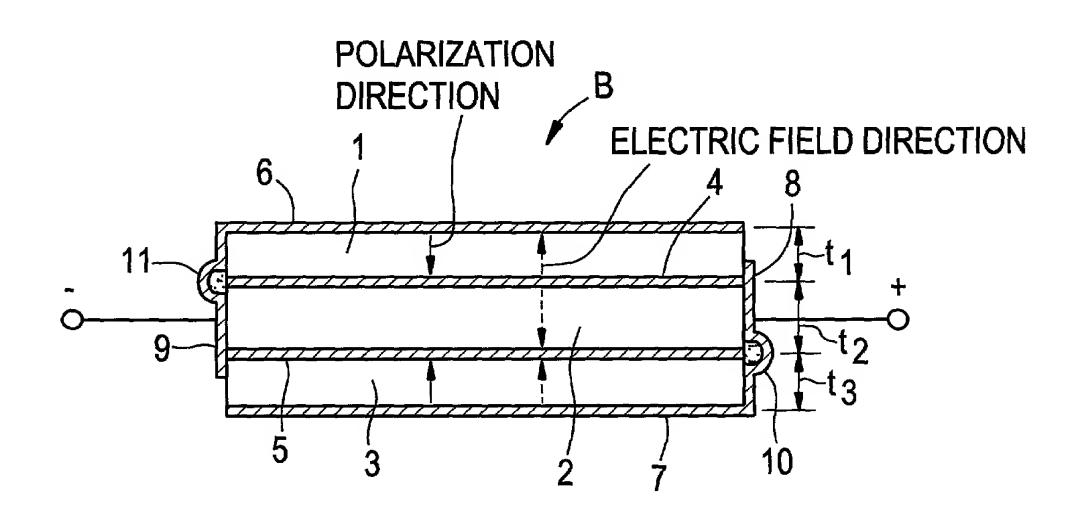


FIG. 8A

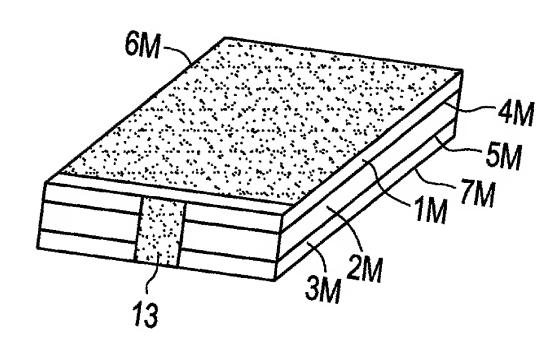


FIG. 8B

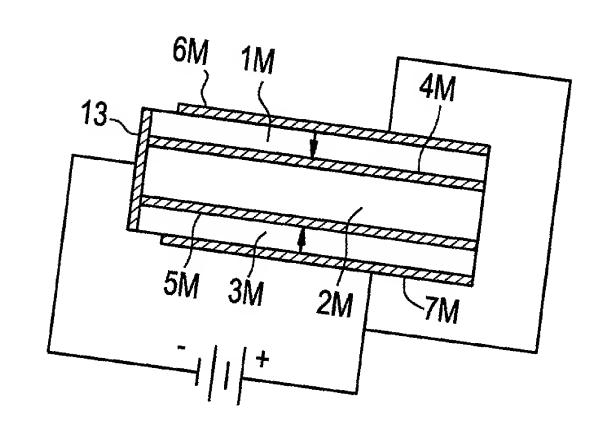


FIG. 8C

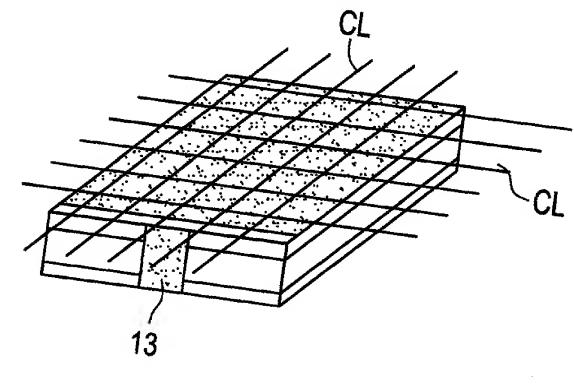


FIG. 9

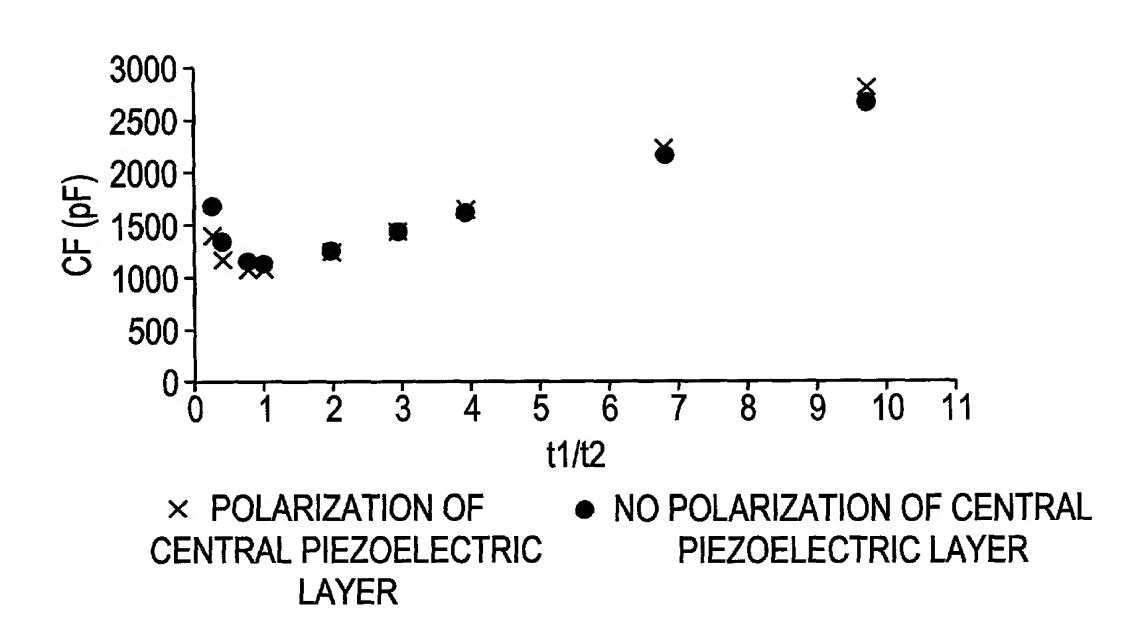


FIG. 10

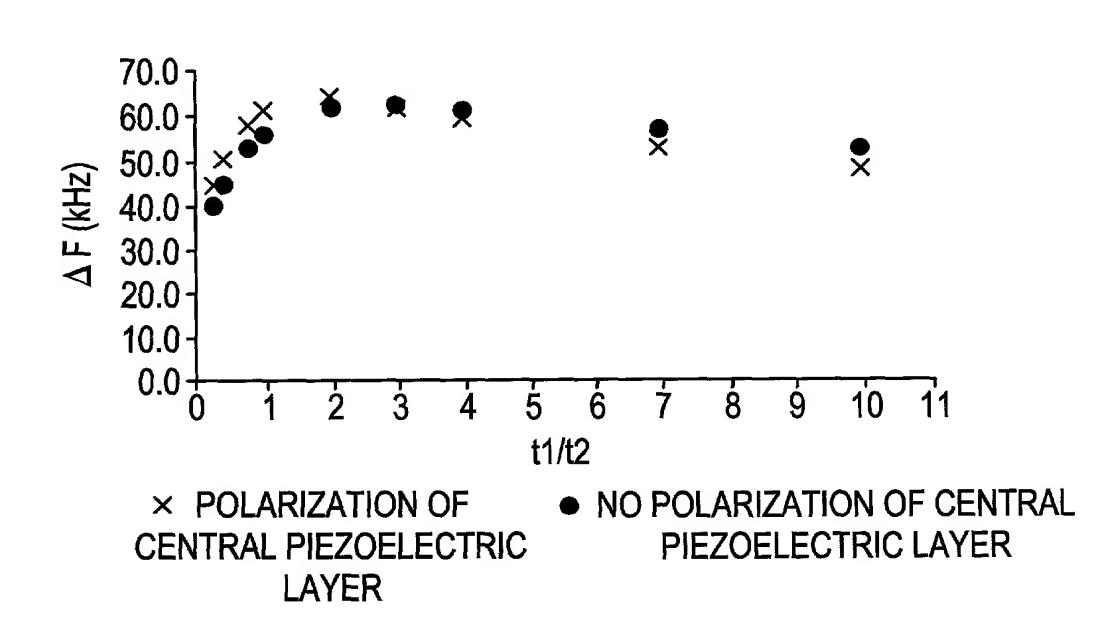
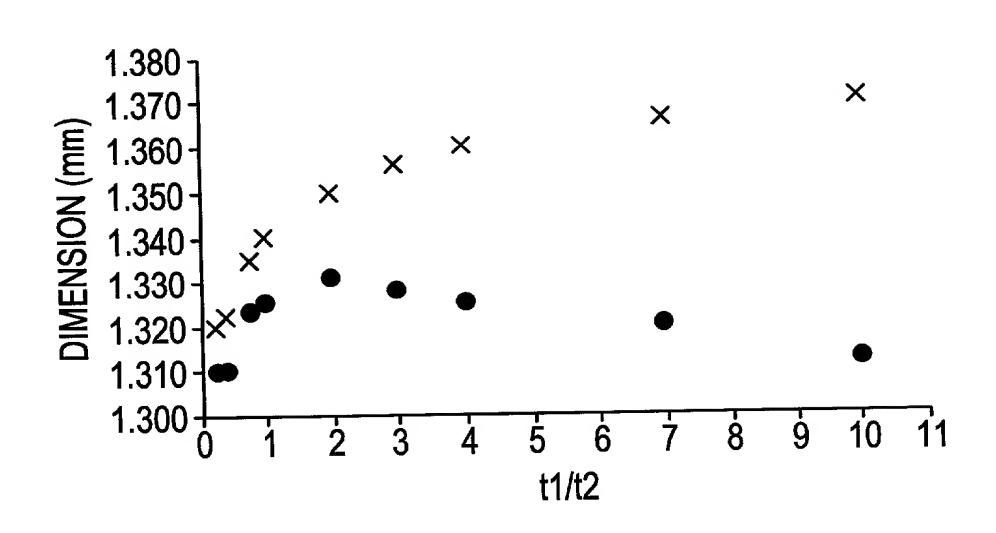


FIG. 11



× POLARIZATION OF CENTRAL PIEZOELECTRIC LAYER NO POLARIZATION OF CENTRAL PIEZOELECTRIC LAYER